





Example of Remaining Effective Stabilizer (RES) Calculation

#	Stabilizer Component	HPLC			
		Measured Amt.	Correction Factor	Corr'd. Amt.	
1	Diphenylamine (DPA)	0.170	1.000	0.170	
2	n-Nitroso Diphenylamine	0.150	0.000	0.000	
3	2 -Nitro Diphenylamine	0.080	0.790	0.063	
4	4- Nitro Diphenylamine	0.030	0.790	0.024	
5	2-2' Dinitro Diphenylamine	0.020	0.653	0.013	
6	2-4 Dinitro Diphenylamine	0.000	0.653	0.000	
7	2-4' Dinitro Diphenylamine	0.020	0.653	0.013	
8	4-4' Dinitro Diphenylamine	<u>0.010</u>	0.653	<u>0.007</u>	
	Total stabilizer	0.33	RES	0.29	
		Cat. A		Cat. C	
<u>Notes</u>					
RES is the sum of the corrected amounts					
Amounts are expressed as weight %					
n-Nitroso Diphenylamine is NOT added into total					
Correction factor takes into account effectiveness of each component					
In above example, RES = 0.29% (Cat C), not 0.33% (Cat A)					
NIR results are always corrected values					